

CONTRACT DOCUMENTS

**CITY OF LINCOLN
NEBRASKA**

**ANNUAL REQUIREMENTS
FOR
TRAFFIC SIGNAL MAST ARMS AND POLES
BID NO. 10-254**

**Valmont Industries
12799 "Q" Street
Omaha, NE 68137
402.895.2001**

**CITY OF LINCOLN
CONTRACT AGREEMENT**

THIS CONTRACT, made and entered into this _____ day of _____ 2010, by and between **Valmont Industries, 12799 "Q" Street, Omaha, NE 68137**, hereinafter called "Contractor", and the City of Lincoln, Nebraska, a municipal corporation, hereinafter called "City".

WHEREAS, the City has caused to be prepared, in accordance with law, Specifications, Plans, and other Contract Documents for the Work herein described, and has approved and adopted said documents and has caused to be published an advertisement for and in connection with said Work, to-wit:

For providing Annual Supply of Traffic Signal Mast Arms and Poles, Bid 10-254 and,

WHEREAS, the Contractor, in response to such advertisement, has submitted to the City, in the manner and at the time specified, a sealed Proposal/Supplier Response in accordance with the terms of said advertisement; and,

WHEREAS, the City, in the manner prescribed by law has publicly opened, read aloud, examined, and canvassed the Proposals/Supplier Responses submitted in response to such advertisement, and as a result of such canvass has determined and declared the Contractor to be the lowest responsible bidder for the said Work for the sum or sums named in the Contractor's Proposal/Supplier Responses, a copy thereof being attached to and made a part of this Contract;

NOW, THEREFORE, in consideration of the sums to be paid to the Contractor and the mutual covenants herein contained, the Contractor and the City has agreed and hereby agree as follows:

1. The Contractor agrees to (a) furnish all tools, equipment, supplies, superintendence, transportation, and other accessories, services, and facilities; (b) furnish all materials, supplies, and equipment specified to be incorporated into and form a permanent part of the complete work; (c) provide and perform all necessary labor in a substantial and workmanlike manner and in accordance with the provisions of the Contract Documents; and (d) execute and complete all Work included in and covered by the City's award of this Contract to the Contractor, such award being based on the acceptance by the City of the Contractor's Proposal, or part thereof, as follows:

Agreement to full proposal.

2. The City agrees to pay to the Contractor for the performance of the Work embraced in this Contract, the Contractor agrees to accept as full compensation therefore, the following sums and prices for all Work covered by and included in the Contract award and designated above, payment thereof to be made in the manner provided by the City:

City will pay for products/service, according to the Line Item pricing as listed in Contractors Proposal/Supplier Response, a copy thereof being attached to and made a part of this Contract. The City shall order on an as needed basis for the duration of the contract.

3. **Equal Employment Opportunity.** In connection with the carrying out of this project, the contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, ancestry, disability, age or marital status. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, national origin, ancestry, disability, age or marital status. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other compensation; and selection for training, including apprenticeship.

4. E-Verify. In accordance with Neb. Rev. Stat. 4-108 through 4-114, the contractor agrees to register with and use a federal immigration verification system, to determine the work eligibility status of new employees performing services within the state of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324 a, otherwise known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee pursuant to the Immigration Reform and Control Act of 1986. The Contractor shall not discriminate against any employee or applicant for employment to be employed in the performance of this section pursuant to the requirements of state law and 8 U.S.C.A 1324b. The contractor shall require any subcontractor to comply with the provisions of this section.
5. Termination. This Contract may be terminated by the following:
 - 5.1) Termination for Convenience. Either party may terminate this Contract upon thirty (30) days written notice to the other party for any reason without penalty.
 - 5.2) Termination for Cause. The City may terminate the Contract for cause if the Contractor:
 - 5.2.1) Refuses or fails to supply the proper labor, materials and equipment necessary to provide services and/or commodities.
 - 5.2.2) Disregards Federal, State or local laws, ordinances, regulations, resolutions or orders.
 - 5.2.3) Otherwise commits a substantial breach or default of any provision of the Contract Document. In the event of a substantial breach or default the City will provide the Contractor written notice of said breach or default and allow the Contractor ten (10) days from the date of the written notice to cure such breach or default. If said breach or default is not cured within ten (10) days from the date of notice, then the contract shall terminate.
6. Independent Contractor. It is the express intent of the parties that this contract shall not create an employer-employee relationship. Employees of the Contractor shall not be deemed to be employees of the City and employees of the City shall not be deemed to be employees of the Contractor. The Contractor and the City shall be responsible to their respective employees for all salary and benefits. Neither the Contractor's employees nor the City's employees shall be entitled to any salary, wages, or benefits from the other party, including but not limited to overtime, vacation, retirement benefits, workers' compensation, sick leave or injury leave. Contractor shall also be responsible for maintaining workers' compensation insurance, unemployment insurance for its employees, and for payment of all federal, state, local and any other payroll taxes with respect to its employees' compensation.
7. Contract Term. This Contract shall be effective upon execution by both parties. The term of the Contract shall be a four (4) year term.
8. The Contract Documents comprise the Contract, and consist of the following:
 1. Contract Agreement
 2. Specifications
 3. Notice to Bidders
 4. Drawings
 5. Special Provisions
 6. Instructions to Bidders
 7. Addendum No. 1

These Contract Agreements, together with the other Contract Documents herein above mentioned, form this Contract, and they are as fully a part of the Contract as if hereto attached or herein repeated.

The Contractor and the City hereby agree that all the terms and conditions of this Contract shall be binding upon themselves, and their heirs, administrators, executors, legal and personal representatives, successors, and assigns.

IN WITNESS WHEREOF, the Contractor and the City do hereby execute this contract.

EXECUTION BY THE CITY OF LINCOLN, NEBRASKA

ATTEST:

City Clerk



CITY OF LINCOLN, NEBRASKA

Mayor

Approved by Resolution Order

dated

A 86226
2-2-2011

EXECUTION BY CONTRACTOR

IF A CORPORATION:

ATTEST:

Secretary

(SEAL)

VALMONT INDUSTRIES, INC.

Name of Corporation

7002 N. 288th St.

Valley, NE 68064

(Address)

By

Duly Authorized Official

VICE PRESIDENT CONTROLLER

Legal Title of Official

IF OTHER TYPE OF ORGANIZATION:

Name of Organization

Type of Organization

(Address)

By:

Member

By:

Member

IF AN INDIVIDUAL:

Name

Address

Signature

City of Lincoln/Lancaster County (Lincoln Purchasing) Supplier Response

Bid Information		Contact Information		Ship to Information
Bid Creator	Shelly Hinze, Buyer	Address	Purchasing	Address
Email	rhinze@lincoln.ne.gov		440 S. 8th St.	
Phone	1 (402) 441-8313		Lincoln, NE 68516	
Fax	1 (402) 441-6513	Contact	Shelly Hinze, Buyer	Contact
			Purchasing	
Bid Number	10-254 Addendum 1	Department		Department
Title	Annual Supply of Traffic	Building		Building
	Signal Mast Arms and Poles		Suite 200	
Bid Type	Bid	Floor/Room		Floor/Room
Issue Date	12/10/2010	Telephone	(402) 441-8313	Telephone
Close Date	12/20/2010 12:00:00 PM CST	Fax	(402) 441-6513	Fax
Need by Date		Email	rhinze@lincoln.ne.gov	Email

Supplier Information

Company Valmont Industries
Address 12799 "Q" Street

Omaha, NE 68137

Contact
Department
Building
Floor/Room

Telephone 1 (402) 895-2001

Fax 1 (402) 895-5808

Email

Submitted 12/20/2010 11:56:19 AM CST

Total \$265,161.00

Signature _____

Supplier Notes

Submitted by Rick Clark as authorized agent of Valmont Industries. Valmont Industries, a public traded corporation, will be building product out of Valley Nebraska manufacturing site and as such would deem Nebraska bidding status as appropriate.

Bid Notes

If you need assistance in preparing your bid, there are several options.

1) Click the the "Help" button in the upper right hand corner of any screen; 2) Contact our office for a training session in Purchasing or assistance over the phone; 3) View the PowerPoint presentation at <http://www.lincoln.ne.gov/city/finance/purch/spec/veninst.ppt>

Bid Messages

Please review the following and respond where necessary

#	Name	Note	Response
1	Instructions to Bidders	I acknowledge reading and understanding the Instructions to Bidders.	Yes
2	Specifications	I acknowledge reading and understanding the specifications.	Yes
3	Lincoln Standard Plans, Section 82 and 85	I Acknowledge reading and understanding Sections 82 and 85 of the Lincoln Standard Plans.	Yes
4	Term Clause of Contract	I acknowledge that the term of the contract will be a (4) four year term from the date of the executed contract. (a) Bid prices firm for the first full contract period. YES or NO (b) Bid prices subject to escalation/de-escalation YES or NO (c) If (b), state period for which prices will remain firm through_____.	no to a, yes to B, 1 year term prices to remain firm through
5	Renewal is an Option	Contract Extension Renewal is an option.	Yes
6	Sample Contract	I acknowledge reading and understanding the sample contract.	Yes
7	Special Provisions	I acknowledge reading and understanding the Special Provisions.	Yes
8	Contact	Name of person submitting this bid:	Rick Clark, agent of Valmont Industries
9	Electronic Signature	Please check here for your electronic signature.	Yes
10	Agreement to Addendum No. 1	Respondent hereby certifies that the change set forth in this addendum has been incorporated in their proposal and is part of their bid. Reason: See Bid Attachments section for Addendum information.	Yes

Line Items

#	Qty	UOM	Description	Response
1	1	EA	MA1-30	\$2,151.00
Item Notes:				
Supplier Notes:				
2	1	Each	MA1-34	\$2,655.00
Item Notes:				
Supplier Notes:				
3	1	Each	MA1-40	\$2,719.00
Item Notes:				
Supplier Notes:				
4	1	Each	MA1-48	\$3,603.00
Item Notes:				
Supplier Notes:				
5	1	Each	MA1-50	\$3,641.00
Item Notes:				
Supplier Notes:				
6	1	Each	MA1-60	\$4,433.00
Item Notes:				
Supplier Notes:				
7	1	Each	MA2-30-35-6-3.0	\$2,479.00
Item Notes:				
Supplier Notes:				
8	1	Each	MA2-34-35-6-3.0	\$2,937.00
Item Notes:				
Supplier Notes:				

9	2	Each	MA2-40-35-6-3.0	\$3,001.00
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Item Notes:

Supplier Notes:

10	2	Each	MA2-48-35-6-3.0	\$4,079.00
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Item Notes:

Supplier Notes:

11	1	Each	MA2-50-35-6-3.0	\$4,117.00
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Item Notes:

Supplier Notes:

12	1	Each	MA2-55-35-6-3.0	\$4,619.00
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Item Notes:

Supplier Notes:

13	1	Each	MA2-65-35-6-3.0	\$5,010.00
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Item Notes:

Supplier Notes:

14	1	Each	MA2-32-40-6-3.0	\$2,620.00
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Item Notes:

Supplier Notes:

15	1	Each	MA2-34-40-6-3.0	\$3,081.00
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Item Notes:

Supplier Notes:

16	1	Each	MA2-42-40-6-3.0	\$3,206.00
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Item Notes:

Supplier Notes:

17	1	Each	MA2-50-40-6-3.0	\$4,429.00
Item Notes:				
Supplier Notes:				
18	1	Each	MA2-55-40-6-3.0	\$4,926.00
Item Notes:				
Supplier Notes:				
19	1	Each	MA2-60-40-6-3.0	\$5,194.00
Item Notes:				
Supplier Notes:				
20	1	Each	MA2-26-35-12T-5.0	\$2,557.00
Item Notes:				
Supplier Notes:				
21	1	Each	MA2-40-35-12T-5.0	\$3,303.00
Item Notes:				
Supplier Notes:				
22	1	Each	MA2-48-35-12T-5.0	\$4,294.00
Item Notes:				
Supplier Notes:				
23	2	Each	MA2-55-35-12T-5.0	\$4,858.00
Item Notes:				
Supplier Notes:				
24	1	Each	MA2-60-35-12T-5.0	\$5,126.00
Item Notes:				
Supplier Notes:				

25	1	Each	MA2-30-40-12T-5.0	\$2,656.00
Item Notes:				
Supplier Notes:				
26	2	Each	MA2-34-40-12T-5.0	\$3,239.00
Item Notes:				
Supplier Notes:				
27	1	Each	MA2-46-40-12T-5.0	\$3,468.00
Item Notes:				
Supplier Notes:				
28	1	Each	MA2-50-40-12T-5.0	\$4,488.00
Item Notes:				
Supplier Notes:				
29	5	Each	MA2-55-40-12T-5.0	\$5,031.00
Item Notes:				
Supplier Notes:				
30	1	Each	MA2-60-40-12T-5.0	\$5,299.00
Item Notes:				
Supplier Notes:				
31	5	Each	MA2-65-40-12T-5.0	\$5,471.00
Item Notes:				
Supplier Notes:				
32	1	Each	MA2-70-40-12T-5.0	\$5,597.00
Item Notes:				
Supplier Notes:				

33	5	Each	MA2-75-40-12T-5.0	\$5,941.00
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Item Notes:

Supplier Notes:

34	1	Each	MA2-36-45-12T-5.0	\$4,465.00
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Item Notes:

Supplier Notes:

35	1	Each	MA2-48-45-12T-5.0	\$4,665.00
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Item Notes:

Supplier Notes:

36	1	Each	MA2-50-45-12T-5.0	\$4,965.00
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Item Notes:

Supplier Notes:

37	1	Each	MA2-55-45-12T-5.0	\$5,250.00
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Item Notes:

Supplier Notes:

38	2	Each	MA2-60-45-12T-5.0	\$5,460.00
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Item Notes:

Supplier Notes:

39	1	Each	MA2-65-45-12T-5.0	\$5,643.00
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Item Notes:

Supplier Notes:

40	1	Each	MA2-70-45-12T-5.0	\$5,796.00
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Item Notes:

Supplier Notes:

41	2	Each	MA2-75-45-12T-5.0	\$6,140.00
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Item Notes:

Supplier Notes:

Response Total:	\$265,161.00
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ANNUAL SUPPLY OF TRAFFIC SIGNAL/MAST ARM POLES

1. GENERAL CONDITIONS

- 1.1 It is the intent of this specification to describe the minimum acceptable requirements for mast arm signal poles.
- 1.2 The City wishes to enter into a term contract that will enable the City to purchase pole/mast arms on an as needed basis for a four (4) year period.
- 1.3 Bid prices shall include the entire cost of the described pieces of equipment and any other equipment or hardware necessary to meet these specifications as described herein including delivery, FOB Destination.

2. BID ITEMS

- 2.1 Because a variety of poles sizes and quantities will be ordered throughout the contract period, a sampling of commonly ordered items has been listed.
 - 2.1.1 The City of Lincoln is expecting to spend approximately \$125,000 in the upcoming year followed by similar amounts each of the following years if budgets allow for the expenditure.

3. SPECIFICATIONS

- 3.1 Poles will vary in type, MA-1 without street lights, or MA-2 with street light luminaire extensions.
- 3.2 All poles shall conform to Lincoln Standard Plans #82 and #85 attached.
- 3.3 All prices shall include anchor bolts complete with nut covers, all hand hole covers, any end caps, and any small hardware needed to make the installation complete.
- 3.4 All major pole pieces shall have stamped labels affixed to them with the pole address number on it supplied by the city at the time the order is placed, as well as the manufactures part number stamped on them.

4. ACCEPTANCE OF MATERIAL

- 4.1 Orders will normally be made on standard purchase orders issued by the Purchasing Agent.
 - 4.1.1 All orders will be assigned an order number.
- 4.2 All correspondence, including acknowledgment of receipt of orders, packing lists and invoices, shall carry the order number assigned by the City of Lincoln.
- 4.3 Vendor shall group materials on invoices as they are grouped on the City of Lincoln's order.
- 4.4 If asked, the Vendor shall furnish to the City of Lincoln affidavits from each manufacturer stating that the materials supplied fully conform to these material specifications.

5. DELIVERY

- 5.1 Unit bid prices shall include all delivery costs.
- 5.2 Delivery shall be 10 weeks after receipt of order.
- 5.3 Vendor must call Engineering Services at 402-441-8321 a minimum of forty-eight (48) hours in advance to schedule a delivery.
 - 5.3.1 A delivery location will be given at that time of call.
 - 5.3.2 Delivery will always be within the City of Lincoln proper.

6. **TERM**

- 6.1 The term of the contract issued to the awarded vendor will be for a four (4) year term.
- 6.2 Bidders must state in the Attributes if the bid prices will remain firm for the full contract period; or if the bid prices will be subject to escalation/de-escalation.
 - 6.2.1 Escalation/De-escalation Clause: In the event that prevailing market conditions warrant an adjustment in bid prices contained in the contract, the following escalation/de-escalation clause shall be the only clause applicable or acceptable to the City:
 - 6.2.1.1 Contractor shall give written notice to the Purchasing Agent of any proposed changes from contract prices not less than thirty (30) calendar days prior to the effective date of said price changes.
 - 6.2.1.2 Such notice must be accompanied by a certified copy of the supplier's advisory or notification to the contractor of price changes.
 - 6.2.1.3 No price escalation will be authorized in excess of the amount of the increase referred to on the supplier's notice.
 - 6.2.1.4 The City shall issue a Contract Addendum with revised pricing upon receipt and approved by the Owners Departments.
 - 6.2.1.4.1 The addendum will be executed by both parties for the remaining term of the contract.
 - 6.2.1.5 The approved price changes shall be honored for all orders collected by the contractor after the effective date of such price change.
 - 6.2.1.6 Approved price changes are not applicable to collections already collected and in process at time of price change.
 - 6.2.1.7 The City reserves the right to audit and/or examine any pertinent books, documents, papers, records or invoices relating directly to the contract transaction in question after reasonable notice and during normal business hours.

**Advertise 1 time
Friday, December 10, 2010**

**City of Lincoln/Lancaster County
Purchasing Division
NOTICE TO BIDDERS**

Sealed bids will be received by the Purchasing Agent of the City of Lincoln/Lancaster County, Nebraska
BY ELECTRONIC BID PROCESS until: **12:00 pm, Monday, December 20, 2010** for providing the
following:

**Annual Supply of Traffic Signal Mast Arms and Poles
Bid No. 10-254**

Bidders must be registered on the City/County's E-Bid site in order to respond to the above Bid. To Register go to: lincoln.ne.gov (type: e-bid - in search box, then click "Supplier Registration"). Upon email notification of registration approval, you may go to the E-Bid site to respond to this bid.

Questions concerning this bid process may be directed to City/County Purchasing at (402)-441-7410 or to Tom Kopplin, Assistant Purchasing Agent at 441-7414 or via e-mail tkopplin@lincoln.ne.gov

A. GENERAL

EACH POLE SHAFT, LUMINAIRE ARM AND SIGNAL MAST ARM SHALL BE FORMED OF PROPER STEEL TO A ROUND TAPERED SHAFT AS CALLED FOR ON THE PLANS AND SHALL HAVE ONLY ONE LONGITUDINAL AUTOMATIC WELD.

EACH POLE SHAFT SHALL CONSIST OF A STEEL SHAFT AS REQUIRED. MAST ARMS AS REQUIRED, LUMINAIRE ARMS AS REQUIRED, POLE TOP COVER AS REQUIRED, HAND HOLES AS REQUIRED, MISCELLANEOUS HARDWARE SHALL INCLUDE HAND HOLES, COVERS, ANCHOR BOLT COVERS, ALL BOLTS, NUTS, WASHERS AND GROMMETS NECESSARY.

ALL DIMENSIONS SHOWN ARE NOMINAL.

B. SCOPE OF DESIGN

THE TRAFFIC SIGNAL MAST ARM STRUCTURE SHALL BE DESIGNED AND FABRICATED TO PERMIT THE INTERCHANGE OF TRAFFIC SIGNAL ARM LENGTHS AND LUMINAIRE ARM LENGTHS WITHOUT CHANGING OR ADAPTING THE VERTICAL SHAFT COMPONENT, WITHIN THE LOAD LIMIT SPECIFIED.

THE VERTICAL SHAFT, TRAFFIC SIGNAL MAST ARM AND LUMINAIRE MAST ARM MUST BE TAPERED AND SHALL CONFORM TO ONE OF THE FOLLOWING CONDITIONS:

CROSS SECTION	SHAFT FACE	ARM FACE	REMARKS
	DESIRABLE TAPER	STRAIGHT 5" MAX WITHOUT LOAD 0" MIN WITH LOAD	STATE OF NEBRASKA STANDARD 512
	DESIRABLE TAPER	STRAIGHT 2.5" RISE IN 3/4" OF LENGTH	
	DESIRABLE TAPER	CURVED 2.66" RISE (FORMED TO THE RADIUS OF THE ENTIRE LENGTH)	

THE POLE MANUFACTURER SHALL FURNISH A NOTARIZED CERTIFICATE STATING THAT THE POLES AND THE LUMINAIRE ARMS, SIGNAL MAST ARMS, AND TRAFFIC SIGNAL MAST ARMS SHALL BE TAPERED TO THE REQUIREMENTS OF THE PLANS AND THESE SPECIAL PROVISIONS.

1. DESIGN CRITERIA

IN ADDITION TO THE REQUIREMENTS SET FORTH IN THE CURRENT EDITION, ASADO, "STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL SHAPES FOR HIGHWAY SIGN SUPPORTS FOR TRAFFIC SIGNALS", THE FOLLOWING DESIGN CRITERIA SHALL BE FOLLOWED IN THE DESIGN OF STEEL TRAFFIC SIGNAL AND STREET LIGHT POLES:

a. PHYSICAL CHARACTERISTICS

1. PROJECTED AREA } AS SHOWN IN THE TABLE THIS SHEET
2. WIND LOADS
80 MPH, ISO-TACH

c. SHAFT VERTICAL

THE VERTICAL SHAFT SHALL BE CONTINUOUSLY TAPERED. THE ROUND POLE SHOULD BE A DIAMETER DIMENSION REDUCTION OF APPROXIMATELY 0.14 INCHES PER LINEAR FOOT.

A GROUNDING TERMINAL SHALL BE WELDED ON THE INSIDE OF THE VERTICAL SHAFT TO ACCOMMODATE A #4 AVG GROUND WIRE. A CABLE SUPPORT HOOK SHALL BE WELDED INSIDE THE TOP OF THE SHAFT.

d. LUMINAIRE ARMS

THE LUMINAIRE ARM SHALL BE CLAMP DESIGN

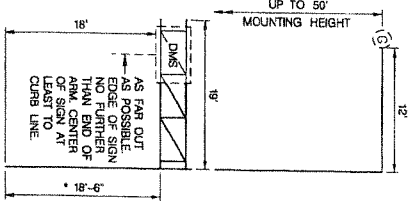
e. WIRE INLET

TRAFFIC SIGNAL MAST ARM, LUMINAIRE MAST ARM AND POLE SHAFT SHALL BE SUPPLIED WITH RUBBER GROMMETS FOR CONTRACTOR DRILLED OPENINGS FOR CABLE INLETS. SIGNAL MAST ARMS SHALL BE SUPPLIED WITH 6 EA 1" ID RUBBER GROMMETS & 2 EA 1 1/2" RUBBER GROMMETS. ALL WIRE INLET HOLES SHALL BE DRILLED AND DEBURRED IN THE FIELD BY THE CONTRACTOR.

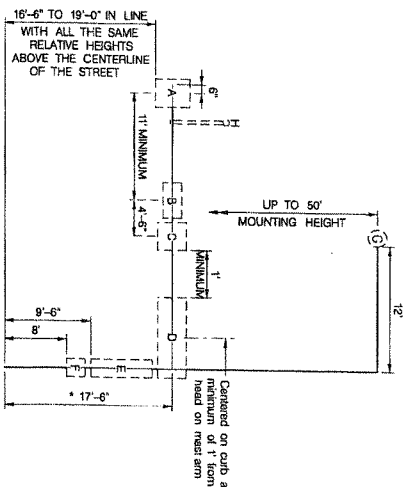
f. FINISH

EACH POLE SHAFT, LUMINAIRE ARM AND SIGNAL ARM AS REQUIRED SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-123. ALL MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153, EXCEPT THREADED FASTENERS LESS THAN 3/8" DIAMETER.

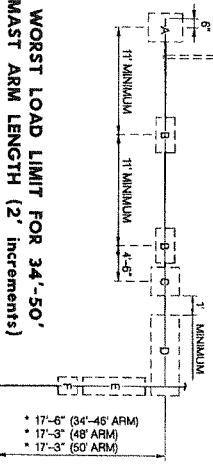
SEE LSP 82 FOR ANCHOR BOLT INFORMATION



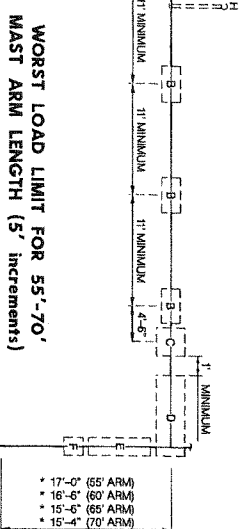
**DMS SUPPORT POLE
TYPE 2 IF LUMINAIRE**



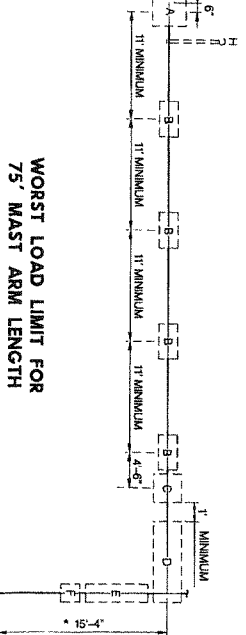
**WORST LOAD LIMIT FOR 18'-32'
MAST ARM LENGTH (2' INCREMENTS)**



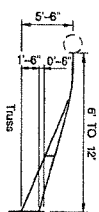
**WORST LOAD LIMIT FOR 34'-50'
MAST ARM LENGTH (2' INCREMENTS)**



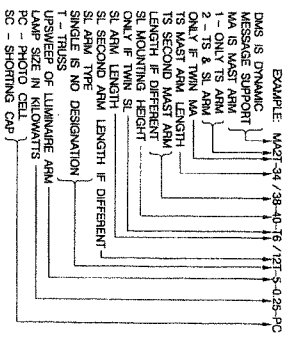
**WORST LOAD LIMIT FOR 55'-70'
MAST ARM LENGTH (5' INCREMENTS)**



**WORST LOAD LIMIT FOR
75' MAST ARM LENGTH**



CURVED LUMINAIRE ARM OPTIONS

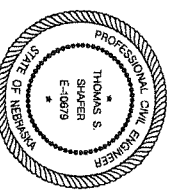


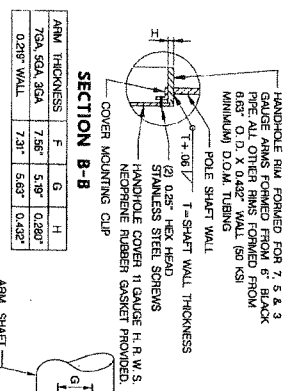
POLE TYPE AND SIZE LEGEND

Attachment Nominal Size	Projected Area Ft. Sq.	Weight (No Ice Load)
A 52" x 42"	14.46	72
B 52" x 34"	8.67	50
C 30" x 30"	6.25	40
D 108" x 36"	27.00	80
E 80" x 24"	13.33	65
F 18" x 18"	2.25	25
G luminaire	2.20	50
H detector camera	1.00	20
DMS	21.25	250

NOTE: POLE MANUFACTURER TO STAMP ALL
MAJOR COMPONENTS WITH POLE NUMBER

EFFECTIVE MAY 1, 2007 - MAST ARM POL
L.S.P.

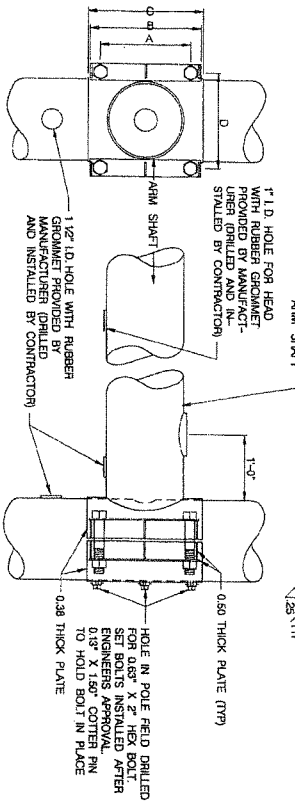




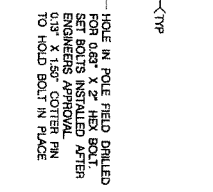
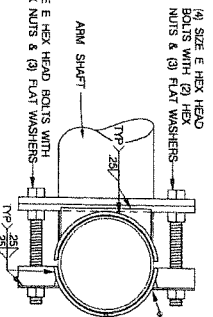
GA	1	k
7	.44"	.25
5	.56"	.31
3	.56"	.31

ARM THICKNESS	F	G	H
70A, 50A, 30A	7.56"	5.97"	0.289"
0.28" WALL	7.31"	5.65"	0.432"

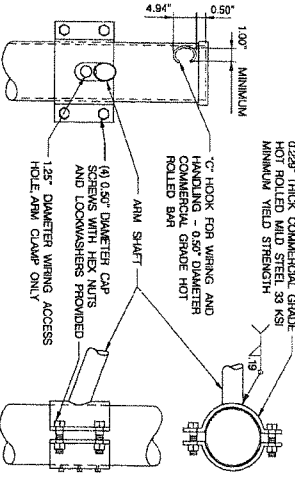
SECTION B-B



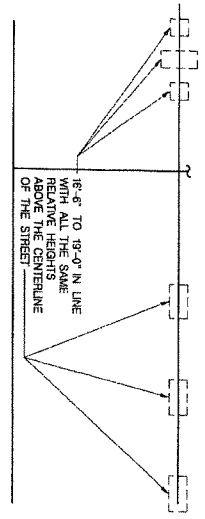
ARM LENGTH & CLAMP SIZE	A	B	C	D	E
18' THRU 48'	11.00"	14.50"	16.00"	12.91"	1.25" X 9.75"
10.46" THRU 48"	10.46"	10.46"	10.46"	10.46"	1.25" X 9.75"
48" THRU 55"	14.50"	17.88"	21.75"	15.27"	1.25" X 9.75"
48" THRU 55"	14.50"	17.88"	21.75"	15.27"	1.25" X 9.75"
60" THRU 70"	15.00"	19.00"	22.50"	15.73"	1.50" X 9.75"
12.75" THRU 25"	15.00"	19.00"	22.50"	15.73"	1.50" X 9.75"
75"	20.50"	25.50"	2.50"	2.00"	1.50" X 18.50"
17.00"	20.50"	25.50"	2.50"	2.00"	1.50" X 18.50"



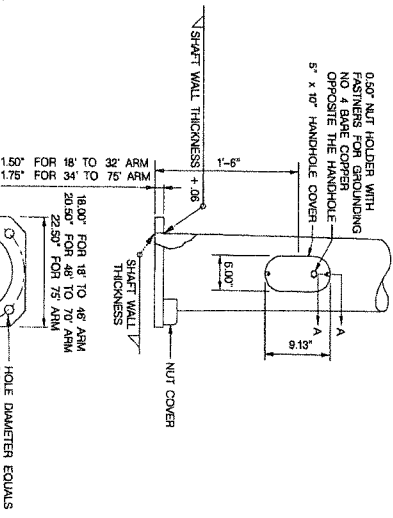
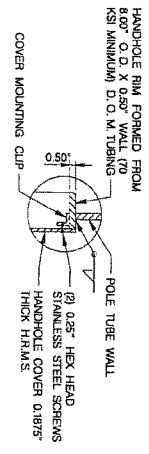
CLAMP ON LUMINAIRE ARM



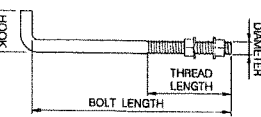
HEAD PLACEMENT ON MAST ARM



SECTION A-A



SHAFT HAND HOLE, GROUNDING NUT AND BASE PLATE



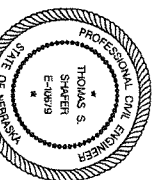
ANCHOR BOLT

ARM LENGTH	BASE SECTION LENGTH	GAUGE	END SECTION LENGTH	GAUGE
55	50.00"	7	6.80"	11
60	50.00"	5	11.63"	7
65	42.00"	3	24.86"	7
70	38.50"	3	33.60"	7
75	27.50"	0.29"	50.00"	7

SIGNAL ARM SLIP JOINT

TAPERED OR SQUARE TRANSFORMER BASE

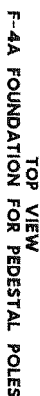
EFFECTIVE MAY 1, 2007 - MAST ARM POLES



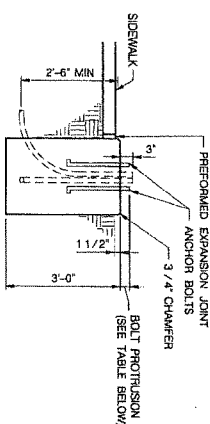


ALL STEEL TO BE A MINIMUM OF 3" FROM EDGE OF FOUNDATION

- | | F-502 | F-503 | (ALTERNATE)
F-501 |
|-----|--|---|---|
| (1) | 9'-4" OF NO 5 VERTICAL BARS FOR 10'-0" DEEP | (9) NO 5 STRIPUPS AT 1'-0" CENTERS FOR 10'-0" DEEP | (8) NO 5 STRIPUPS AT 1'-0" CENTERS FOR 8'-0" DEEP |
| (2) | 14'-4" OF NO 7 VERTICAL BARS FOR 15'-0" DEEP | (10) NO 5 STRIPUPS AT 1'-0" CENTERS FOR 10'-0" DEEP | (9) NO 5 STRIPUPS AT 1'-0" CENTERS FOR 10'-0" DEEP |
| (3) | NO 4 STRIPUPS AT 1'-6" CENTERS FOR 15'-0" DEEP | (11) NO 4 STRIPUPS AT 1'-6" CENTERS FOR 15'-0" DEEP | (10) NO 4 STRIPUPS AT 1'-6" CENTERS FOR 15'-0" DEEP |



F-4A FOUNDATION FOR PEDESTAL POLES

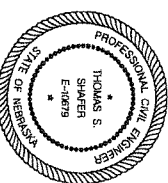


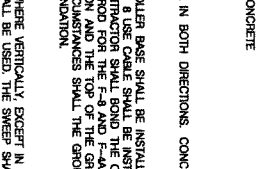
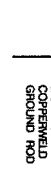
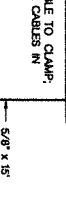
ANCHOR BOLT INFORMATION													
	CABINET	PEDestal	18" - 32" ARM	24" - 46" ARM	48" - 70" ARM	75" ARM	19" DMS with Lum to 60" L	19" DMS with Lum to 60" L	55" TAP	60" TAP	65" TAP	70" TAP	75" TAP
ANCHOR BOLT SIZE	3/4" x 10" x 1/2"	3/4" x 10" x 1/2"	1/2" x 5/8" x 6"	3/4" x 6" x 5"	2" x 8" x 6"	2" x 8" x 6"	1/2" x 5/4" x 6"	1/2" x 5/4" x 6"	1/2" x 5/4" x 6"	1/2" x 5/4" x 6"	1/2" x 5/4" x 6"	1/2" x 5/4" x 6"	1/2" x 5/4" x 6"
BOLT CHOICE	-	17"	17 1/2"	20 1/2"	22 1/2"	16"	17 1/2"	20"	21"	23"	25"	27"	
BOLT Penetration	1 1/2"	2"	5" - 6"	6 1/4" - 6 3/4"	6 3/4" - 7 1/4"	6 3/4" - 8"	6" - 6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"
Thread Length	3 9/16"	3 9/16"	5"	5 1/4"	10"	5 1/2" - 8"	6"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"

Pedestal Pole uses F-4A Foundation
TMF is Traffic Monitoring Pole
19' DMS includes without or with luminaire to 45' mounting height

EFFECTIVE MAY 1, 2007 - FOUNDATIONS AND BASES

5. P. 82





Professional Engineer Seal for Erin E. Sokolik, State of Nebraska, License E-12777.

A. GENERAL

EACH POLE SHAFT, LUMINAIRE ARM AND SIGNAL MAST ARM SHALL BE FORMED OF PROPER STEEL. TO A ROUND TAPERED SHAFT AS CALLED FOR ON THE PLANS AND SHALL HAVE ONLY ONE LONGITUDINAL AUTOMATIC ELECTRIC WELD.




EACH POLE SHALL CONSIST OF A STEEL SHAWT AS REQUIRED, MAST ARM, S, AS REQUIRED, UNIMPAIR M/C, S AS REQUIRED, POLE TOP COVER, AS REQUIRED, HAND HOLE, AS REQUIRED, MISCELLANEOUS HARDWARE SHALL INCLUDE HAND HOLE COVERS, ANCHOR BOLT COVERS, ALL BOLTS, NUTS, WASHERS AND GROMMETS NECESSARY.

ALL DIMENSIONS SHOWN ARE NOMINAL.

B. SCOPE OF DESIGN

THE TRAFFIC SIGNAL MAST ARM STRUCTURE SHALL BE DESIGNED AND FABRICATED TO PERMIT THE INTERCHANGE OF TRAFFIC SIGNAL ARM LENGTHS AND LUMINAIRE ARM LENGTHS WITHOUT CHANGING OR MODIFYING THE VERTICAL SHAFT COMPONENT, WITHIN THE LOAD LIMIT SPECIFIED.

THE VERTICAL SHAFT, TRAFFIC SIGNAL MAST ARM AND LUMINAIRE MAST ARM MUST BE TAPERED AND SHALL CONFORM TO ONE OF THE FOLLOWING CONDITIONS:

CROSS SECTION	SWIFT FACE	ARM FACE	REMARKS
	0.14"/F. DESIRED TAPER	STRAIGHT 5' MAX WITHOUT LOAD 0' MIN WITH LOAD	STATE OF NEARLY STRAIGHT BE
	0.14"/F. DESIRED TAPER	STRAIGHT 2.5' RISE IN 3/4 OF LENGTH	
	0.14"/F. DESIRED TAPER	CURVED FOLLOWED TO THE RADIUS OF THE ENTIRE LENGTH	

THE POLE MANUFACTURER SHALL FURNISH A NOTARIZED CERTIFICATE STATING THAT THE POLES AND ASSOCIATED MATERIALS COMPLY WITH THE STRUCTURAL, WIND LOADING AND FINISH REQUIREMENTS OF THE PLANS AND THESE SPECIAL PROVISIONS.

1. DESIGN CRITERIA

IN ADDITION TO THE REQUIREMENTS SET FORTH IN THE CURRENT EDITION ASPH/TO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS". THE FOLLOWING DESIGN CRITERIA SHALL BE FOLLOWED IN THE DESIGN OF STEEL TRAFFIC SIGNAL AND STREET LIGHT POLES:

a. PHYSICAL CHARACTERISTICS

2) PROJECTED AREA } AS SHOWN IN THE TABLE (THIS SHEET)

2. WIND LOADS
80 MPH ISOTACH

HAFT VERTICAL

THE VERTICAL SHAFT SHALL BE CONTINUOUSLY TAPERED. THE ROUND POLE SHOULD BE A DIAMETER DIMENSION REDUCTION OF APPROXIMATELY 0.14 INCHES PER LINEAR FOOT.

A GROUNDING TERMINAL SHALL BE WELDED ON THE INSIDE OF THE VERTICAL SHAFT TO ACCOMMODATE A #4 AWG GROUND WIRE. A CABLE SUPPORT HOOK SHALL BE WELDED INSIDE THE TOP OF THE SHAFT.

D. LUMINOUS ARMS

LUMINAIRE ARM SHALL BE CLAMP DESIGN

WIRE INLET

TRAFFIC SIGNAL MAST ARM, LUNARWIRE MAST ARM AND POLE SHAFT SHALL BE SUPPLIED WITH RUBBER GROMMETS FOR CONTRACTOR DRILLED OPENINGS FOR CABLE INLETS. SIGNAL MAST ARMS SHALL BE SUPPLIED WITH 6 EA 1" I.D. RUBBER GROMMETS & 2 EA 1 1/2" RUBBER GROMMETS. ALL WIRE INLET HOLES SHALL BE DRILLED AND DEBURRED IN THE FIELD BY THE CONTRACTOR.

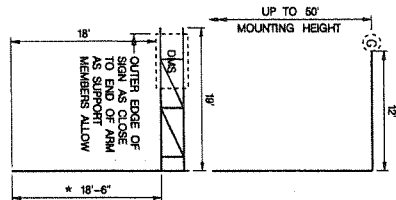
MISH

EACH POLE SHAFT, LUMINAIRE ARM AND SIGNAL ARM AS REQUIRED SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-123. ALL MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153, EXCEPT THREADED FASTENERS LESS THAN 3/8" DIAMETER.

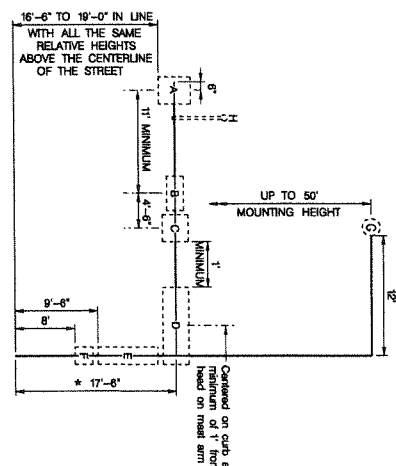
G. POLE PLACEMENT

ANY POLE RELOCATION SHALL BE APPROVED BY THE ENGINEER.

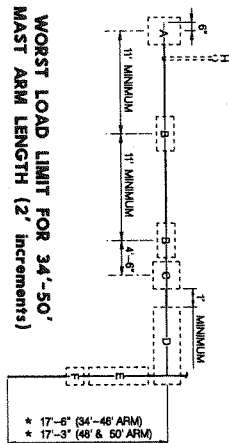
SEE LSP 82 FOR ANCHOR BOLT INFORMATION



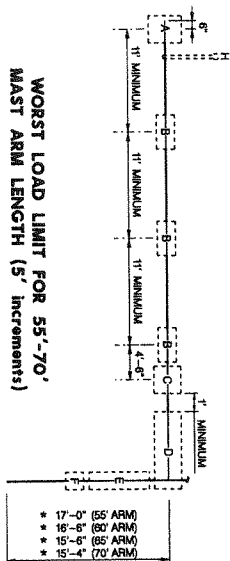
**DMS SUPPORT POLE
TYPE 2 IF LUMINAIRE**



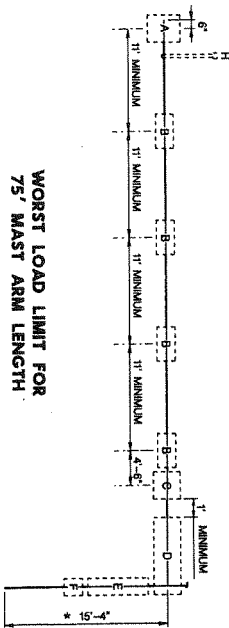
**WORST LOAD LIMIT FOR 16'-32'
MAST ARM LENGTH (2' increments)**



WORST LOAD LIMIT FOR 34'-50' MAST ARM LENGTH (2' increments)

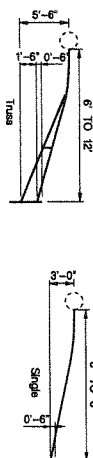


**WORST LOAD LIMIT FOR 55'-70'
MAST ARM LENGTH (5' increments)**



**WORST LOAD LIMIT FOR
75' MAST ARM LENGTH**

* FROM THE BOTTOM OF THE BASE
PLATE TO CENTER LINE OF MAST ARM



CURVED LUMINAIRE ARM OPTIONS

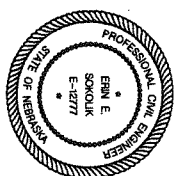
EXAMPLE: M21-34-38-40-10-21-5-025

DMS IS DYNAMIC
MESSAGE SUPPORT
MA IS MAST ARM
TS IS TWIN SL
- TS IS ARM
ONLY IF TWIN ARM
TS MAST ARM LENGTH
TS SECOND MAST ARM
LENGTH IF DIFFERENT
ONLY IF TWIN SL
SL ARM LENGTH
SL SECOND ARM LENGTH IF DIFFERENT
SL ARM TYPE
TWIN IS NO DESIGNATION
LAMP SIZE IN KILOWATTS
PC - PHOTO CELL
SC - SHORTING CAP

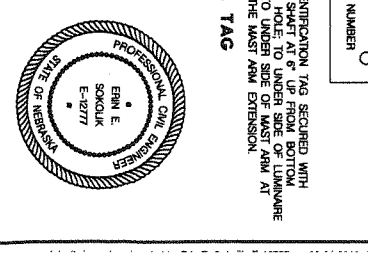
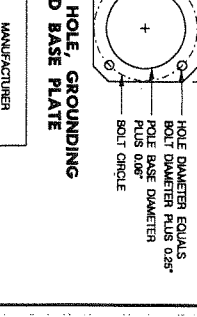
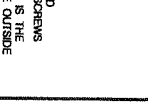
POLE TYPE AND SIZE LEGEND

Alkylaryl Normal size	Polyester Ave. Ft. Sec.	Weight (No. lbs. load)
A. 52" x 24"	14.47	72
B. 52" x 24"	8.67	40
C. 30" x 30"	6.25	40
D. 106" x 56"	27.00	65
E. 80" x 24"	13.33	25
F. 16" x 16"	2.25	50
G. 16x16x6	2.25	20
H. oblong corners	1.00	250
DMS	21.25	

**NOTE: POLE MANUFACTURER TO STAMP ALL
MAJOR COMPONENTS WITH POLE NUMBER**



MAST ARM POLES
L.S.P. 85



Addendum #1
for
**ANNUAL SUPPLY OF TRAFFIC SIGNAL MAST ARMS AND
POLES**
Bid No. 10-254

Addenda are instruments issued by the City prior to the date for receipt of offers which will modify or interpret the specification document by addition, deletion, clarification, or correction.

Please acknowledge receipt of this addendum in the space provided in the Attribute Section.

Be advised of the following changes and clarifications to the City's specification and bidding documents:

1. The lastet LSP 82 and LSP 85 was added.

All other terms and conditions shall remain unchanged.

Dated this 14th of December, 2010.

Shelly Hinze,
Buyer